A.N.A.R.T.S. News Bulletin 1406 for 23rd of July 2006

Views expressed in this news bulletin are not necessarily

those of the Broadcast Officer, the Relay Officers, or of

the Society.

Items in this broadcast include

1. Cols column

2. IPS REPORT

3. VK2SG RTTY DX report

4. OPDX News

5. Anarts Information

Col's Column

Propagation of Radio Waves.

Day And Night Frequencies

The main factor influencing the need for reduction in
operating frequency

at night is the reduction of the electron density of the
ionospheric

layers, and hence the critical frequencies of these
layers, which occurs

during the night hours. The extent of the reduction in
electron density

and the approximate daily variations in critcal frequency
will be shown in

sketch's placed on ANARTS Web Site this weekend. Another
factor affecting

the propagation of radio waves under day and night
conditions is the

variations in height of the actual refracting layers.

These factors result in reduction of MUF's for
communications between

any two fixed points and increases to the skip distance
obtained with

particular frequencies during night hours.

The daytime MUF's for distances up to approximately 3000
kilometres are

shown in a seperate sketch this weekend, the minimum

frequency being

about 6 mhz and the maximum 20 mhz. However, betweeen 500 and 2500 kilometres,

the MUF may be obtained from the E layer, allowing higher frequencies than

would normally be expected to be used over these distances.

I will complete the day and night frequencies next week...

Contest News...

I have received approximately 350 logs now, only one of which has been received

via the post. The vast majority of the logs have been converted to the ANARTS

format and around 330 have been processed ok through the log checking program.

So am a little ahead of this time last year. I hope to have it all completed

before bidding farewell to these shores for colder climes....

73's for now Colin VK2CTD.

IPS Weekly Solar and Geophysical Report 14/20th Jul

SUMMARY

Date 14 15
16 17 18
19 20

10cm flux 71 70
71 71 71
71 72

AFr index 10 5
2 2 2
2 2 est

Aaus index 10
3 1 2
2 1 1 est

T index 20 28
21 23 23 17 24

Solar flare activity was very low all week.

Geomagnetic activity observed for the Australian Region was quiet to

active on 14th and quiet for the remainder of the period.

Southern Australian Ionospheric F2 critical frequencies
were near

predicted to 20 percent enhanced on 14th and 18th near
predicted to 30

percent enhanced on 15th and 20th near predicted to 35
percent enhanced

on 16th near predicted to 25 percent enhanced on 17th and
near predicted

to 15 percent enhanced on 19th.

Forecast for 21/27th Jul

Solar activity should be very low to low.

Geomagnetic activity should see quiet conditions for the
next few days

with unsettled to active conditions possible for 24/25th
and unsettled

to quiet levels for 26/27th.

Frequencies should be near predicted monthly values with
depressions up

to 15 percent at times possible for 24/26th.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES week ending 20 Jul

Our information this week came from AA5AU I5FLN DJ3IW
GB7DXG and

the OH2AQ DX Summit. Thank you all.

Bandpass

Friday 14

0058-14087 HR2/LU1DY

0059-14091 XE1L

0320-14080 YV4BCD

0351-14085 KH6ZM

0432-7047 DQ2006S

0440-14090 DR2006D

0843-14083 HB0/PA3FGA

1115-24927 SV3DCX

1156-18105 M0CHK

1159-18106 SV3DCX

1210-14084 9K2HN

1214-14082 M3ERG

1257-18101 IR8DX

1405-14083 XX9BB

1450-14082 VC2CBF

1506-14080 DQ2006S

1512-14083 BD7KLO/7

1620-28085 AD6WL

1725-14083 BD7KLO/7

1732-14081 EK8SK

1833-14083 LX1MAX

1836-14085 HB0/PA3FGA

1857-7037 DQ2006Y

1908-14084 5F50IG

1910-14086 5Z4ES

1938-14082 5F50YZ

2057-14088 DQ2006D

2057-14086 IS0YTA

2105-14085 DQ2006D

2150-14080 EA8KK

2159-14088 5F50KD

2215-14082 YM125ATA

2219-14083 DR2006N

2233-14087 HR2/LU1DY

2301-14081 KP4FKN

Saturday 15

0241-14084 ZL3RG

0655-14080 DR2006D

0737-14085 HB0/PA3FGA

1037-24917 F6GCP

1050-14080 OX3KD

1142-14081 A41MX

1414-14085 TA4KA

1423-14082 IS0YTA

1511-14086 9M2MT

1554-14081 VU2PHD

1600-14089 XX9BB

1645-14087 OA4CN

1653-28085 K4GMH

1703-14084 TF3GC

1704-28085 W8BAR

1705-28085 W1TO

1720-14086 BD7KLO/7

1733-14092 VR2XLN

1831-14088 G6PZ

1858-7038 DR2006S

1904-3588 DR2006B

1907-14094 5F50KD

2047-14081 YM125ATA

2050-14082 TF3TTY

2110-28083 NP4BM

2135-14085 P29ZAD

2135-3582 DQ2006D

2237-14080 G6PZ

2257-14082 EK6YL

Sunday 16

0011-14093 5F50KD

0143-14086 KH6GMP

0626-14085 IM0MBP

0719-14086 DQ2006D

0825-18105 IZ1DXS

0850-14082 YM125ATA

0855-14091 EA8RA

0903-14084 DR2006N

0945-14090 4L4KK

1415-18106 OK1DKO

1433-14089 4N150AE

1444-14083 BD7KLO/7

1455-14085 ST2T

1530-14086 HL5BMX

1531-14090 DR2006D

1543-14083 VU2PHD

1644-14084 E20KIR

1657-14088 DR2006B

1703-14087 C31BO

1750-14086 9K2YM/P

1829-14090 UN2E

1902-10139 RA3CQ

1939-14087 A41MX

1941-14081 5F50YZ

2005-14081 ER3MM

2047-10143 9K2YM

2057-10142 HA6IAY

2108-10144 SV3DCX

2133-14082 EA8KG

2137-14083 CP1FF

2137-10143 9K2YM/P

2139-10143 US0ZZ

2151-14087 HK4QHD

2307-14084 EK6YL

2312-14086 CS25M

Monday 17

0035-14087 ZL3RG

1335-14084 TA4KA

1355-14083 9K2YM/P

1357-14085 UN8PIM

1433-14083 6K2DFG

1441-14082 E21YDP

1450-14089 DU1UGZ

1555-14087 OD5PL

1555-14082 VU2PHD

1630-14087 IS0YOK

1636-14082 UN3P

1643-14080 VR2XLN

1727-14081 5F50YZ

1839-14083 9K2YM/P

2019-14089 CX4SS

2019-14087 LU7DTS

2021-14088 IM0MBP

2027-14087 5F50KD

2058-14088 CE6ABC

2106-14085 HK6DOS

2155-14085 A41MX

2155-14087 ZL3RG

2217-14083 5F50IG

2223-14086 OA4CN

2253-14084 CS25M

2302-14088 SV9CJO

Tuesday 18

1320-14083 9K2YM/P

1403-14081 UA0FGZ

1628-7021 F4TPV

1637-14082 UN3P

1646-14084 UE9AAA

1651-14082 IM0MBP

1710-14085 IS0/IK4LHC

1754-14090 OX3DB

1826-14087 A41MX

1840-14084 R6SE

2011-14088 EA8AG

2026-14086 OX3JZ

2028-14088 HL5BLI

2044-18106 YL/OZ9GA

2046-14082 5F50IG

2049-14082 5F50YZ

2051-14085 TM5DKJ

2108-14088 LW9ETQ

2124-14084 FM5AA

2138-14093 SV9CVY

2139-14081 EA8KV

2140-14086 HR2/LU1DY

2150-14086 FS5HL

2154-14088 5F50KD

2312-14088 EA6BH

2349-14080 XE3ARV

Wednesday 19

0829-14080 EK8SK

1413-14085 GI4WXA

1420-14083 IM0MBP

1505-14085 EK6TA

1551-14085 UN8PIM

1622-14087 ED8URL

1718-14086 PZ5RA

1823-14086 CU6X

1830-14086 OX3BD

1909-14082 4Z5PN

1945-14084 PZ5RA

1947-14081 LU5DIT

2033-14082 LW9ETQ

2035-14081 LU7DTS

2110-14084 9Z4FZ

2126-14082 5F50YZ

2131-14081 KP4FKN

2144-14087 TK5IH

2153-14084 CS25M

2215-14085 CT2HXM

2215-7040 HZ1NH

2217-14084 CS25M

2218-14088 EA6BH

2220-7037 CS25M

2221-7038 HZ1NH

2230-14088 EA6BH

2232-14089 ED8URL

2304-14086 HK4QMH

2323-14072 HK6DOS

2326-14085 EK6TA

Thursday 20

0030-14081 HP1DCP

0555-14085 SV9/SV1AVD

0605-14086 TM5DKJ

0654-14085 5F50YZ

0922-14084 IS0YHV

0924-14087 ED8URL

1417-14085 M1PRV/P

1524-14083 SV9/SV1AVD

1531-14084 IS0BXS

1550-14087 ED8URL

1604-14079 VR2XLN

1809-14085 HZ1IK

1828-14082 UN3P

1833-14080 5Z4ES

1845-21085 5F50YZ

1924-14087 5F50KD

Notes of interest

Montenegro Jul 20/Aug 13 4O3NT by YT6A and possibly others. QSL via YT6A

Samoa 5W0 Jul 27/Aug 10 by KT8X (5W0DW) K8AQM (5W0TR) N8CC (5W0JB)

JF3MYU (5W0KI) QSL via K8AQM

The VK2SG RTTY DX NOTES are distributed every week via the

Winlink network, and are also available on the Internet at

URL http://mailman.qth.net/mailman/listinfo/vk2sg-rtty

and the digital-dx reflector.

To subscribe to the digital-dx reflector, send an e-mail

message to majordomo at mla.nifty.ne.jp as follows:

Subject:(blank) Message Body: subscribe digital-dx

For next weeks bulletin send your bandpass and notes of

interest to I5FLN luciano.fusari at alice.it

73 Phil GU0SUP

The Ohio/Penn DX Bulletin No. 767 - excerpts

5W, SAMOA

Operators Ted/K8AQM (5W0TR) Jeff/N8CC (5W0JB) Dennis/KT8X (5W0DW) and

Kirk/JF3MYU (5W0KI) will be active from Upolu Island (OC-097) Jul 27th/

Aug 10th. Activity will be on 160-6M CW SSB and RTTY. They plan to have

three stations active and will participate in the IOTA Contest (possibly

as 5W0XX). More details schedule and their operating frequencies are

available via the following Web page at

http://www.geocities.jp/jm3uml/samoa2006/index.html

C6, BAHAMAS

Gary/W2VQ and his son Paul/KC2NMZ will be heading to Treasure Cay Abaco

Island (NA-080) Jul 23-31st. Their activity will likely include a entry in

the RSGB IOTA Contest Jul 29-30th that week. Paul tells OPDX that they will

have 1 or 2 stations setup (100w and 50w). Operation will be on all modes

by both of them. Activity will be on 80-6M with an emphasis on RTTY PSK31

CW SSB and maybe some SSTV. They will using dipoles and verticals. QSL via

KC2NMZ by the bureau or direct.

LIGHTHOUSE ACTIVITY

The Old Barney Amateur Radio Club will be operating from the Barnegat

Lighthouse (nicknamed Old Barney) in Barnegat Light, New Jersey, on Sat

Aug 5th. This counts for ARLHS lighthouse #USA-039 Long Beach Island NJ

IOTA NA-111, USI NJ-001S. Operation will be primarily on 20 and 40M SSB

from about 1300-2200z. Visitors are welcome. A nice full color photo QSL

of the lighthouse is available. QSL via N2OB.

MD, ISLE OF MAN (EU-116)

Members of the MD4K Contest Group will be active as MD4K during the RSGB

IOTA Contest as a Multi-Op entry. Operators are Dave/G3NKC Fred/G4BWP

Peter/G4MJS Martin/G4XUM Tim/M0BEW and Royce/M0RHI. QSL direct to G3NKC

David Sharred Chestnut House 510 Crewe Rd. Wistaston, Crewe CW2 6PS U.K.

QSLs can be requested by the bureau on their Web site at

http://www.md4k.com/

OH0, ALAND ISLANDS (EU-002)

Juha OH9MM will be active as OH0Z during the RSGB IOTA
Contest as a Single-Op/24-HRS/SSB/Island entry. QSL via W0MM.

OY, FAROE ISLANDS (EU-018)

Tom/DL2RMC and Katrin/DO3MSH will be active as
OY/homecall from here Aug

21/23. Activity will be limited to their spare time but
look for them on

all HF bands on CW SSB and digital modes with 400 watts
and a vertical

antenna. QSL via DL2RCM, bureau preferred.

SPECIAL EVENT

On Jul 22 the Union de Radioaficionados de Estella (URDE)
is organizing

jointly with the City Council of the town of Lerin (50 KM
South of

Pampelona, Navarra) some ham activities, part of the Twin
Cities

partnership Lerin/Pompignac (Near Bordeaux) festivities.
Among the Ham

activities will be a flea market and the airing of the
special callsign

ED2HLP (HLP = Hermanamiento Lerin Pompignac = Jumelage
Lerin Pompignac=

Twin cities partnership Lerin Pompignac). QSL via the
operators

instructions. More information is available at
http://ea2ccg.blogspot.com

SPECIAL EVENT

Members of the Club RadioAmateurs de Lanester (F6KPQ)
will activate the

special callsign TM0FIL Jul 24/Aug 6 during the Inter
Celtic Festival

of Lorient (French Brittany) activities. Activity will be
on all bands and

modes. QSL via F6KPQ.

TF, ICELAND (EU-021)

Tom/DL2RMC and Katrin/DO3MSH will be active as
TF/homecall Aug 24/Sep 6th.

Their activity will be limited to their spare time but
will include an

entry in the SSB Field Day Contest. Operations will be on all HF bands on

CW SSB and digital modes, with 400 watts and a vertical antenna. QSL via

DL2RCM, bureau preferred.

V47, ST. KITTS AND NEVIS

Remember to look for Reiner DL2AAZ to be active as V47/DL2AAZ from the

Island of Nevis (NA-104) Jul 20/Aug 10. Activity will be on 40/20/15/10M

SSB and CW with 100 watts dipole and groundplane antennas. QSL via his

home callsign, direct or by the bureau.

VP5, TURKS AND CAICOS ISLANDS

Look for Kelly/N0VD and Alan/WB9JTK to be active as VP5/homecall between Aug

1-6. They will be there primarily for business but plan to be active during

their spare time. N0VD will make a special effort on the low bands with

attention given to the EU and JA sunrise. This of course will depend on the

noise level. Both operators will be concentrating on CW with some operations

in the U.S. general bands. QSL to their homecalls.

VP9, BERMUDA

Frank K3TRM will be returning to Hamilton Parish Bermuda again this summer

for a short vacation Aug 3-8th. He will be operating as VP9/K3TRM. Activity

will be on 160-6M including the WARC bands using SSB RTTY and CW. QSL via

his home callsign direct or by the bureau. Additional information will be

available on his Web site at http://www.k3trm.com/

VQ9, CHAGOS (Top-banders Take Note!)

Larry VQ9LA (aka WD0HSP) on Diego Garcia announced this past weekend that

he will be on the Island for one more year. He is now

scheduled to leave

Dec 2007. The company he works for won their contract and will be staying.

During Larrys stay he plans to get several things fixed (Alpha 99, FT-1000

VQ9X K9AY loop etc) and really clean up the shack (a makeover).

VU3, INDIA

Rene DL2JRM is now active as VU3RYO from New Delhi til Jul 24. Activity

is on 160-10M CW with 100 watts wires and a vertical. He was heard this

past weekend on 80/40/30M CW between 1630-2130z. QSL via DL2JRM.

VY0, CANADA (IOTA Activity)

Operators Mike/K9AJ and Bruce/KD6WW will be active as K9AJ/VY0 and KD6WW/VY0

from Nunavut (Hudson Bay - Quebec Coast) Centre Group (NA-195) Jul 19-23

and from Nunavut (Hudson Bay - Quebec Coast) North West Group (NA-156) Jul

23-26th. QSL to their respective home callsign.

The Society can be contacted in the following ways

To Pat VK2JPA via patleeper at optusnet.com.au or

Col VK2CTD via ctdavies at bigpond.net.au or

you can drop a line to PO Box 93 Toongabbie NSW 2146.

73s from Pat VK2JPA broadcast Officer

NNNN